CVX Dkt. No. T-6156 PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1. (Original) A method for removing selenium from an aqueous stream containing selenium comprising passing the aqueous stream in combination with a quaternary amine compound through a filter to produce an effluent which is depleted in selenium content relative to the untreated selenium-containing aqueous stream.
- (Original) The method of claim 1, wherein the aqueous stream containing selenium is an oil refinery process wastewater.
- (Original) The method of claim 1, wherein the aqueous stream containing selenium is an oil refinery process wastewater containing free and soluble oil.
- (Original) The method of claim 1, wherein the filter comprises a filter media will absorb or otherwise remove a quaternary amine compound from an aqueous solution.
- (Original) The method of claim 4, wherein the filter media is selected from the group consisting of clay, cellulose, starch, activated carbon and their mixtures.
- (Original) The method of claim 1, wherein the aqueous stream is an oil refinery stripped sour water and the primary form of the selenium is selenocyanate.
- 7. (Original) The method of claim 1, wherein the quaternary amine compound has the general formula $R^1R^2R^3R^4N^*$ X, where $R^1R^2R^3R^4$ are the same or different and are alkyl or aryl groups, and where X is an anion.

8. (Original) The method of claim 7, wherein the quaternary amine compound has the general formula $R^1R^2R^3R^4N^4X^*$, where $R^1R^2R^3R^4$ are the same or different and are selected from the group consisting of linear or branched paraffins having a chain length of C_3 - C_{10} , and where X is a halogen.

- 9. (Currently Amended) A method for removing selenium from an aqueous stream containing selenium, the method comprising passing the aqueous stream, in combination with a quaternary amine, through a filter, the filter itself comprising a filter-medium in-combination with- a quaternary amine, to produce an effluent which is depleted in selenium content relative to the untreated selenium-containing aqueous stream.
- 10. (Original) The method of claim 9, wherein the aqueous stream containing selenium is an oil refinery process wastewater.
- 11. (Original) The method of claim 9, wherein the filter medium is present as a solid sorbent.
- 12. (Original) The method of claim 9, wherein the filter media is selected from the group consisting of clay, cellulose, starch, activated carbon and their mixtures.
- 13. (Original) The method of claim 9, wherein the aqueous stream is an oil refinery stripped sour water and the primary form of the selenium is selenocyanate.
- 14. (Original) The method of claim 9, further comprising a prefiltering step.
- 15. (Original) The method of claim 9, wherein the effluent is passed through a filter medium comprising activated carbon to produce a second effluent which is depleted in selenium content relative to the first effluent.

- 16. (Original) The method of claim 15, wherein the second effluent is contacted by an anion exchange resin to produce a third effluent which is depleted in selenium content relative to the second effluent.
- 17. (Currently Amended) A method for removing selenium from an aqueous stream containing selenium, the method comprising passing the aqueous stream, in combination with a quaternary amine, through a filter, the filter itself comprising a filter medium in combination with a quaternary amine, to produce a first effluent which is depleted in selenium content relative to the untreated selenium-containing aqueous stream; passing the first effluent through a filter medium comprising activated carbon to produce a second effluent which is depleted in selenium content relative to the first effluent; and contacting the second effluent by an anion exchange resin to produce a third effluent, which is depleted in selenium content relative to the second effluent.
- 18. (New) A method for removing selenocyanate from an aqueous stream containing selenocyanate, as well as free and soluble oil, the method comprising passing the aqueous stream, in combination with a quaternary amine compound, through a filter to produce an effluent which is depleted in selenocyanate content relative to the untreated selenocyanate-containing aqueous stream.
- 19. (New) The method of claim 18, wherein the filter comprises a filter media will absorb or otherwise remove a quaternary amine compound from an aqueous solution.
- 20. (New) The method of claim 19, wherein the filter media is selected from the group consisting of clay, cellulose, starch, activated carbon and their mixtures.